O. H. M. S.

W. J. Gerald

Deputy Minister.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 204

Canned Soup.

14371—1

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Canned Soup.

OTTAWA, March 24, 1910.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue,

SIR,—I beg to hand you a report upon 150 samples, purchased throughout Canada, in December last, as Canned Soup.

With two exceptions, due to carelessness of the inspectors, these articles are correctly named. The exceptions are No. 38866 and 42763; both of which are dry material, put up in paper, and should not have been accepted for purposes of this inspection.

Complaints have been received from time to time, making mention of the following objections in Canned Soups:—

1. Corrosion of the can.
2. Unsoundness of the contents.
3. Discoloration
4. Substitution of other material than that designated on the label, In particular to the substitution of other flesh than chicken (or fowl) in so-called chicken soup.

As to the condition of the can, the samples now reported may be classified as follows:—

	Samples.
Can distinctly corroded	7
" slightly "	3
" in fair condition	14
" in good "	124
Paper wrappers	2
Total	150

Corrosion of the can proceeds in the first place from imperfect tinning, but is naturally intensified by the acidity of the contents. In most cases the contents are faintly acid, but generally in so slight a degree as to make quantitative expression of the acidity difficult and unnecessary. In eight (8) samples, the acidity was sufficiently marked to permit of exact determination, and was found to represent percentages of

acetic acid (weight in volume) varying from 0·046 to 0·225. Marked corrosion was noted in only one of these eight samples (0·072 acid) and slight corrosion in another (0·127). It is evident, however, that as corrosion due to acidity proceeds, the acid is neutralized, and a fairly high acidity in the fresh soup, may be compatible with strict neutrality in the same sample, after long keeping. In this case, iron goes into solution, (with possible traces of tin or lead). The discoloration complained of is usually due to solution of iron, which, however, can have no poisonous effects. Lead was not found in any sample; but traces of tin were noted in four (4) samples. The amount was too small to have any physiological significance.

As regards the soundness of the contents, these were found to be good in 137 samples, and slightly unsound in 11 samples. In none, however, had decomposition proceeded far enough to be regarded as spoiled, or made dangerous in use.

Some years ago, I made an attempt to distinguish between chicken flesh and veal, (or other substitute) in soups. The results of this examination were so unsatisfactory that further work must be done before a definite pronouncement in the matter can be made.

This is the first time that canned soup has been made the subject of inspection under the Adulteration Act. In the absence of legal standards for the article, and of any established violation of the terms of the Act, I am unable to describe any of the samples herein reported, as being technically adulterated.

I beg to recommend publication of this report as Bulletin No. 204.

I have the honour to be, Sir,

Your obedient servant,

A. McGILL,

Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
						DISTRICT OF NOVA SCOTIA—
1909.						
Dec. 7	Canned Soup ...	41771	John Tobin & Co., Halifax, N.S.	3 tins.	30	Franco-Am. Food Co., Jersey City, U.S.
" 7	" ..	41772	Bauld Bros., Ltd., Halifax, N.S.	3 " .	30	Jos. Campbell & Co., Camden, New Jersey, U.S.
" 7	" ..	41773	J. Frank Crowe & Co., Halifax, N.S.	3 " .	30	Libby, McNeil & Libby, Chicago, Ill.
" 7	" ..	41774	A. & W. Smith & Co., Halifax, N.S.	3 " .	30	Van Camp Packing Co., Indianapolis, U.S.A.
" 7	" ..	41775	Wentzell's, Ltd., Halifax, N.S.	3 " .	35	Libby, McNeil & Libby, Chicago, Ill.
" 13	" ..	41786	J. H. Barss, Wolfville, N.S...	3 " .	35	Jos. Campbell & Co., Camden, New Jersey, U.S.
" 15	" ..	41787	Colin McNab & Co., Dartmouth, N.S.	3 " .	45	Van Camp Packing Co., Indianapolis, U.S.
" 15	" ..	41788	G. A. Ormon, Dartmouth, N.S.	3 " .	38	Libby, McNeil & Libby, Chicago, Ill.
" 15	" ..	41789	Coleman & Eisener, Dartmouth, N.S.	3 " .	45	Jos. Campbell & Co., Camden, N. J., U.S.
" 15	" ..	41790	Forsyth, Jr., Dartmouth, N.S.	3 " .	45	Armour, Ltd., Toronto.....
						DISTRICT OF PRINCE EDWARD ISLAND—
Dec. 6	Canned Soup ...	38583	A. Currie....	3 tins.	42	Jos Campbell & Co., Camden, N.J., U.S.
" 8	" ..	38584	R. H. Jenkins, Charlottetown.	3 " .	90	Franco-Am. Food Co., New Jersey, U.S.
" 10	" .	38585	Brace & McKay, Summerside.	3 " .	45	The Van Camp Packing Co., Indianapolis, U.S.
" 10	" .	38586	" " ..	3 " .	39	W. A. Laird, Summerside...
" 10	" ..	38587	Sanderson & Co., Charlottetown	3 "	90	Crosse & Blackwell, London, Eng.
" 15	" ..	38588	M. Duffey & Co., Charlottetown	3 " .	45	Libby, McNeil & Libby, Chicago, Ill.
" 15	" ..	38589	John McKenna, Charlottetown	3 " .	75	H. J. Heinz Co., Pittsburg, U.S.
" 16	" ..	38590	Beer & Goff, Charlottetown....	3 " .	90	C. & E. Morton, London, Eng.
" 16	" ..	38591	Stewart & Son, Charlottetown.	3 " .	45	Jos. Campbell & Co., Camden N.J., U.S.
" 16	" ..	38592	J. T. McDonald, Charlottetown	3 " .	45	Libby, McNeil & Libby, Chicago.
						DISTRICT OF NEW BRUNSWICK—
Dec. 3	Canned Soup ..	39598	H. W. Cole, Ltd., St. John, N.B.	3 tins.	30	Jos. Campbell Co., Camden, N.J., U.S.
" 3	" ..	39599	Baird & Peters, St. John, N.B.	3 " .	119	Franco-Am. Food Co., Jersey City, N.J., U.S.
" 8	" ..	39600	G. E. Barbour Co., Ltd., St. John, N.B.	3 " .	30	John Campbell Co., Camden N.J., U.S.
" 14	" ..	39601	Geo. T. Whelpley, Fredericton, N.B.	3 " .	45	Franco-Am. Food Co., Jersey City Heights, N.J., U.S.
" 16	" ..	39602	Inches & Grimmer, St. Stephen, N.B.	3 " .	45	Joseph Campbell Co., Camden, N.J., U.S.
" 17	" ..	39603	Yerxa Grocery Co., Woodstock, N.B.	3 " .	40	Van Camp Packing Co., Indianapolis, U.S.
" 20	" ..	39604	Weaver & Co., Perth, N.B....	3 " .	45	Jos. Campbell & Co., Camden, N.J., U.S.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
R. J. WAUGH, INSPECTOR.						
			p. c.			
Mock turtle soup	Good	Good	Slight	None	Beef, &c.	41771
"	"	"	"	"	"	41772
"	"	"	Mere trace	"		41773
Cream of celery soup	"	"	Neutral	"	Celery, &c.	41774
Chicken soup	"	"	"	"	Chicken, rice, celery, &c.	41775
Consomme soup	"	"	Mere trace	"	Clear jellied stock	41786
Mock turtle soup	"	"	Slight	"	Solid jellied beef	41787
"	"	"	Trace	"	Beef, &c.	41788
"	"	"	Slight	"	"	41789
Savoy soup. Condensed chicken.	"	"	Neutral	"	Chicken, rice, &c.	41790
THEO. MOORE, INSPECTOR.						
	Good	Good	Trace	None	Chicken, rice, parsley	38583
	"	"	Slight	"	Beef, rice, curry powder, &c.	38584
Van Camp's concentrated mock turtle soup.	Fair	Not very good.	"	"	Beef, &c.	38585
Laird's chicken soup	Good	Good	None	"	Chicken and jelly	38586
Mock turtle soup, thick	Corroded	"	0·072	"	Beef tongue, &c	38587
Libby's Premier concentrated mock turtle soup.	Good	"	Trace	"	Beef, &c.	38588
Heinz tomato soup, prepared from choice ripe tomatoes and pure sweet cream.	Slightly corroded	"	0·127	Trace tin	Tomato, &c.	38589
C. & E. Morton, oxtail soup.	Good	"	Trace	None	Beef, bone, vegetables, &c.	38590
Campbell's condensed oxtail soup.	Slightly corroded	"	Neutral	"	Beef broth, barley, &c	38591
Libby's Premier concentrated mock turtle soup.	Good	Good	Slight	"	Beef, onions, &c	38592
J. C. FERGUSON, INSPECTOR.						
Campbell's condensed mock turtle soup.	Good	Good	Slight	None	Beef, &c.	39598
	"	"	Trace	"	"	39599
Campbell's condensed mock turtle soup.	"	"	"	"	"	39600
Mock turtle.	"	"	Slight	"	"	39601
Campbell's condensed mock turtle soup.	"	"	Trace	"	"	39602
Van Camp's concentrated mock turtle soup	Slightly corroded	Not in very good shape.	Slight	"	"	39603
Campbell's condensed mock turtle soup.	Good	Good	"	"	"	39604

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
			DISTRICT OF NEW BRUNSWICK—			
1910.						
Jan. 4	Canned Soup ...	39665	The Sussex Mercantile Co., Ltd., Sussex, N.B.	3 tins.	36	The Wm. Davies Co., Ltd. Toronto.
" 5	" ..	39606	F. P. Reid & Co., Moncton, N.B.	3 " .	36	Armour, Ltd.....
" 8	" ..	39607	McKenzie & Trueman, Campbellton, N.B.	3 " .	45	Jos. Campbell Co., Camden, N.J.
			DISTRICT OF QUEBEC—			
1909.						
Dec. 22	Canned Soup ...	36667	A. Drolet, 714 Rue St. Valier..	3 tins.	45	Jno. Campbell, New Jersey .
" 22	" ..	36668	Jos. Falardeau, 271 Rue St. Joseph.	3 " .	60	Heinz's, Pittsburgh, N.J....
" 22	" ..	36669	" " ..	3 " .	45	J. B. Reneaud, Quebec.....
" 22	" ..	36670	" " ..	3 " .	45	J. A. Chabot, Quebec. .....
" 22	" ..	36671	C. Riverin, 55 Rue de la Couronne.	3 " .	45	Langlois & Paradis, Quebec .
" 22	" ..	36672	" " ..	3 " .	45	" " ..
" 22	" ..	36673	" " ..	3 " .	45	" " ..
" 22	" ..	36674	" " ..	3 " .	45	" " ..
" 22	" ..	36675	R. Riverin, 55 Rue de la Couronne.	3 " .	45	" " ..
" 22	" ..	36676	" " ..	3 " .	45	" " ..
			DISTRICT OF ST. HYACINTHE—			
Dec. 7	Canned Soup ...	38859	J. P. Paul, Sorel.....	3 tins.	45	The West Lorne Canning & Evap. Co., West Lorne, Ont.
" 9	" ..	38860	L. E. I. Choquette, Farnham..	3 " .	54	H. J. Heinz Co., Pittsburgh.
" 10	" .	38861	R. Goold, St. Jean.....	3 " .	30	Armour, Ltd., Toronto.....
" 20	" ..	38862	A. McLean & Riddle Bros., Danville.	3 " .	30	" .....
" 20	" ..	38863	S. L. Gibson, Danville.....	3 " .	45	J. Campbell Co., Camden, N.J., U.S.
" 20	" ..	38864	A J. Hudson, Richmond.....	3 " .	45	" " ..
" 21	" ..	38865	B. E. Goyette, Magog	3 " .	30	Simcoe Canning Co., Simcoe.
" 21	" ..	38866	H. Chamberlain, Magog.....	3 " .	15	W. Paul, Agt., Montreal....
" 21	" .	38867	W. Murray & Co., Sherbrooke.	3 " .	45	Libby McNeill & Libby, Chicago.
" 25	" ..	38868	Thos. Hebert, St. Hyacinthe..	3 " .	45	J. Campbell Co., Camden, N.J., U.S.

CANNED SOUP.

Inspector's Report. (Is not an expression of opinion)	Results of Analysis.					No. of Sample.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
J. C. FERGUSON, INSPECTOR—*Concluded.*						
			p. c.			
Davies condensed soups, mock turtle	Good	Good	Trace	None	Beef, barley, turnips, carrots, &c.	39605
Savoy soups. Condensed mock turtle.	"	"	Slight	"	Beef, jellied	39606
Campbell's condensed mock turtle soup.	"	"	"	"	Beef, &c.	39607
E. BELAND, INSPECTOR.						
	Fair	Good	Slight	None	Beef, &c.	36667
	"	Fair	0·098	"	Tomato	36668
	Good	Good	0·061	"	"	36669
	"	"	Trace	"	Clear broth	36670
	"	"	"	"	Beef, &c.	36671
	"	"	Neutral	"	Chicken, parsley, rice and onions.	36672
	"	"	Slightly	"	Barley, beans, peas, carrots, turnips, potatoes, &c.	36673
	"	"	Trace	"	Peas	36674
	"	"	0·077	Trace tin	Tomato	36675
	"	"	Trace	None	Beef, rice, celery, curry, &c.	36676
J. C. ROULEAU, INSPECTOR.						
"Lorne" brand chicken	Good	Good	Trace	None	Chicken and broth	38859
"Tomato"	Fair	"	0·225	Trace tin	Tomato	38860
"Mock Turtle"	Good	"	Trace	None	Beef, vegetables	38861
"Chicken"	"	"	Neutral	"	Chicken, rice, parsley	38862
"Julienne"	"	"	Trace	"	Beef broth and chopped vegetables.	38863
"Ox Tail"	"	"	"	"	Oxtail, barley, vegetables, &c.	38864
"Chicken"	"	"	Neutral	"	Chicken	38865
"Potato"					Potato tablets, collected by mistake.	38866
"Mock Turtle"	Corroded	Fair	Slightly	Trace tin.	Beef, &c	38867
"	"	Good	"	"	"	38868

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
			DISTRICT OF MONTREAL—			
1909.						
Dec. 1	Canned Soup ...	40351	James Duncan, Lachine, P.Q.	3 tins.	45	Joseph Campbell, Camden, N.J., U.S.
" 8	" ..	40352	Gravel Freres, St. Catherine St. W., Montreal.	3 "	90	Franco Am. Food Co., Jersey City Hights, N.J.
" 8	" ..	40353	R. Walsh, Cor. St. Genevieve & Dorchester St., Montreal.	3 "	30	Van. Camp Packing, Indianapolis, Ind.
" 8	" ..	40354	Davies Ltd., Chaboliz Square, Montreal.	3 "	15	The Wm. Davies Co., Ltd., Toronto.
" 14	" ..	40355	P. Daoust, St. Anne de Bellevue, P.Q.	3 "	30	Campbells.. ....
" 14	" ..	40356	" " ..	3 "	45	Armour's, Ltd., Toronto....
" 15	" ..	40357	J. E. Desaulniers, 1121 St. Lawrence B., Montreal.	3 "	25	" " ....
" 16	" ..	40358	P. Simard, St. Jerome, P.Q...	3 "	45	Campbells.... .....
" 21	" ..	40359	A. Girard, 293 St. Antoine St., Montreal.	3 "	25	W. Clark, Montreal... .....
" 21	" ..	40360	Beauvais & Lalonde, 482 St. James St., Montreal.	3 "	60	Heinz..... .....
			DISTRICT OF OTTAWA—			
Nov. 24	Canned Soup. ..	42846	C. B. McLean, Ottawa.....	3 tins.	30	The Wm. Davies Co., Ltd., Toronto.
Dec. 4	" ..	42847	Ellis Bros., Ottawa	3 "	45	Unknown.... .....
" 6	" ..	42848	C. Moreland, Bank St., Ottawa	3 "	35	The Wm. Davies Co., Ltd., Toronto.
" 6	" ..	42849	A. L. Pinard & Sons, Ottawa..	3 "	75	Hudon Hebert et Cie, Montreal.
" 11	" ..	42850	Bennett & Code, Carleton Place	3 "	40	Unknown.... ....
" 15	" ..	42851	Kavanagh Bros., Ottawa.....	3 "	90	Crosse & Blackwell, London, Eng.
" 15	" ..	42852	A. E. Rea Ltd., Ottawa.	3 "	37	Unknown..... ....
" 15	" ..	42853	C. Moreland, 184 Sparks St., Ottawa.	3 "	75	Henri Jonas, Montreal.....
" 16	" ..	42854	W. Hyndman, Smiths Falls...	3 "	38	Robertson Nichole & Co., Smiths Falls.
" 18	" ..	42855	P. Lamoureux, Ottawa.... ...	3 "	38	Unknown..... ....
			DISTRICT OF KINGSTON—			
Nov. 29	Canned Soup. ..	42762	P. A. Haffner, Kingston	3 tins.	38	Libby McNeill & Libby, Chicago, Ill.
" 29	" ..	42763	J. McCulla, Kingston..... ...	3 "	30	W. Symington Co., Bowdan Marborough, Eng.
" 30	" ..	42764	A. Glover, Kingston....	3 "	45	H. J. Heinz, Pittsburg . .
Dec. 1	" ..	42765	Wallbridge & Clarke, Belleville, Ont.	3 "	45	Campbell, Camden, N.J. ...
" 1	" ..	42766	" " ..	3 "	45	Van Camp, Indianapolis, U.S.

CANNED SOUP.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
J. COSTIGAN, INSPECTOR.						
			p. c.			
Campbells "Mock Turtle".	Good.....	Good.....	Trace.....	None.....	Beef, &c	40351
" " .	"	"	Slightly..	"	"	40352
" " .	Fair.....	Fair.....	" ...	"	"	40353
" " .	Good.....	Good. ...	" ...	"	Beef, turnips, carrots, barley, &c.	40354
"Consomme".....	"	"	Trace.....	"	Clear broth.....	40355
"Tomato"...	"	"	Slightly. .	"	Tomato.....	40356
"Mock Turtle".....	Corroded..	Fair.....	Trace	"	Beef, &c.....	40357
"Ox Tail".....	Fair	"	"	"	Beef bone, barley, &c.....	40358
"Mock Turtle".....	Corroded..	Good.....	Slightly..	"	Beef, &c	40359
"Tomato".....	Fair.....	Good.....	0·054	"	Tomato	40360
J. A. RICKEY, INSPECTOR.						
Davies "Mock Turtle"....	Good.....	Good.....	Trace.....	None.....	Beef, turnips, barley, &c .	42846
Campbells "Mock Turtle".	"	"	"	"	Beef, vegetables.....	42847
Davies "Mock Turtle"....	"	"	"	"	Barley, carrots turnips,&c.	42848
Franco Am. "Mock Turtle"	"	"	"	"	.....	42849
Van. Camps "Mock Turtle".	Corroded.	Fair	Slightly..	"	.....	42850
Crosse & Blackwell "Mock Turtle".	Good. ...	Good.....	" ..	"	Pork and vegetables.....	42851
Campbells "Mock Turtle".	Fair.....	Fair.....	" ..	"	Beef and vegetables.....	42852
"Mock Turtle"..... ..	Good.....	Good.....	Trace.....	"	.....	42853
Libby's "Mock Turtle"...	Fair.....	"	"	"	Beef and vegetables	42854
Armours "Ox Tail".	Good.....	"	"	"	Beef, bone and vegetable..	42855
JAS. HOGAN, INSPECTOR.						
.....	Good.....	Good.....	Slight ...	None....	Vegetables, all sorts	42762
.....	.....	.....	.....	.....	Collected by mistake. Soup powder, tomato.	42763
.....	Good.....	Good.....	Acid.	None. ...	Tomato	42764
.....	"	"	"	"	"	42765
.....	"	"	0·046	"	Clear broth.....	42766

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
			DISTRICT OF KINGSTON—			
1909.						
Dec. 1	Canned Soup...	42767	Hugh Crozier, Cobourg..	3 tins.	38	Libby McNeill & Libby, Chicago, Ill.
" 1	" ..	42768	N. Burnet, Cobourg.....	3 " .	38	Campbell, Camden, N.J.....
" 1	" ..	42769	J. Curtis, Port Hope.....	3 " .	38	" ..
" 2	" ..	42770	S. A. Oke, Peterboro.....	3 " .	30	Davies Co., Toronto.....
" 2	" ..	42771	R. A. Dutton, Peterboro	3 " .	30	" .....
			DISTRICT OF TORONTO—			
Dec. 1	Canned Soup. ..	41411	J. A. Brown, Collingwood....	3 tins.	25	T. Long Bros., Ltd., Collingwood.
" 3	" ..	41412	McLauchlan & Sons Co., Ltd., Owen Sound.	3 " .	30	The Armour Canning Co., Chicago, U.S.
" 8	" ..	41413	J. H. Marshall, Niagara Falls.	3 " .	45	The Van Camp Packing Co., Indianapolis, U.S.
" 16	"	41414	The W. H. Merriman Co., St. Catherines.	3 " .	30	Joseph Campbell Co. Camden, N. J., U. S.
" 18	" .	41415	W. Joyce, Oakville....	3 " .	35	Wm. Clark, Montreal. . ....
" 21	" ..	41416	The Wm. Davies Co., Ltd, Toronto.	3 " .	30	Vendors... ....
" 21	" ..	41417	Perkins Ince Co., Ltd., Toronto	3 " .	45	Aylmer Canning Co., Ltd., Aylmer.
" 22	" ..	41418	J. W. Schultz, Toronto.....	3 " .	30	The F. R. Lalor Canning Co. Ltd., Dunville.
" 23	" ..	41419	Fred. Cox, Toronto	3 " .	45	H. J. Heinz Co., Pittsburgh.
" 23	" ..	41420	Grand Valley Produce Co., Toronto.	3 " .	45	Libby McNeill & Libby, Chicago, Ill.
			DISTRICT OF LONDON—			
Dec. 7	Canned Soup. ..	30874	A. J. Groom, Guelph.....	3 tins.	45	Semson & Co., Guelph. ....
" 8	" ..	30875	Dunkee & Co., Berlin.....	3 " .	45	Joseph Campbell Co.....
" 8	" ..	30877	Beck & Schell, Berlin.....	3 " .	45	Jas. Lumbers, Toronto.....
" 9	" ..	30881	A. Beattie & Co., Stratford. ..	3 " .	25	William Clark & Co., Montreal.
" 9	" ..	30882	"	3 " .	45	Jas. Lumbers, Toronto .....
" 13	" ..	30895	J. McEwen, Stratford.....	3 "	30	Stratford Wholesale Grocery, Stratford.
" 13	" .	30897	P. T. Dean.	3 "	35	H. P. Eckert & Co., Toronto
" 13	" ..	30898	O. C. Whitley, Goderich.....	3 " .	30	A. M. Smith, London. .....
" 14	" ..	30900	Sturdy & Co., Goderich.	3 " .	45	Gillard & Co., Hamilton.....
" 17	" .	44704	Michael Durkin, Mitchell. ...	3 " .	45	A. M. Smith, London, Ont..

CANNED SOUP.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Sample.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
JAS. HOGAN, INSPECTOR—*Concluded.*						
			p. c.			
	Good	Good	Trace	None	Oxtail, barley, &c.	42767
	"	"	Slightly acid.	"	Tomato	42768
	"	"	Trace	"	Beef, &c	42769
	Fair	"	"	"	"	42770
	Good	"	"	"	Oxtail, vegetables	42771
H. J. DAGER, INSPECTOR.						
The North Land Mfg. Co., Toronto. 'Mock Turtle.'	Good	Good	Slight	None	Beef, barley, turnips, etc.	41411
Armour's "Mock Turtle."	"	"	Trace	"	Beef, etc	41412
Van Camp's "Chicken."	"	"	Neutral	"	Chicken and rice	41413
Campbell's 'Mock Turtle.'	"	"	Trace	"	Beef, etc	41414
Clark's "Chicken"	"	"	Neutral.	"	Chicken, broth	41415
Davies "Mutton Broth"	"	"	Trace	"	Mutton, barley, turnips, etc.	41416
"Chicken"	"	"	Neutral	"	Chicken and broth	41417
	"	"	"	"	" "	41418
Heinz Tomato Soup. Contains no benzoate soda or other artificial preservative.	"	"	Acid	"	Tomato.	41419
Libby's Premier "Ox Tail"	Fair	"	Trace.	"	Beef and bone	41420
T. KIDD, INSPECTOR.						
"Mock Turtle	Fair	Good	Trace	None	Beef, etc	30874
"	Good	"	"	"	"	30875
"Tomato"	"	"	Slightly	"	Tomato	30877
"Mock Turtle"	"	"	Trace	"	Beef, etc	30881
"Ox Tail"	"	"	"	"	Oxtail and barley.	30882
	"	"	"	"	Beef, etc	30895
	"	"	Very slight.	"	Peas, beans, carrots, parsnips, turnips, etc.	30897
	"	"	"	"	" "	30898
"Mock Turtle"	"	"	Trace.	"	Beef, etc	30900
	"	"	"	"	Oxtail and barley	44704

Date of Collection.	Name of Sample.	No. of Sample.	Name and Address Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
			DISTRICT OF WINDSOR—			
1909.						
Dec. 6	Canned Soup ...	42653	H. B. Hodgkins, Aylmer, Ont	3 tins.	38	W. Clark, Montreal.....
" 6	" ..	42659	J. G. Heiter, Aylmer, Ont...	3 " .	40	Van Camp Packing Co., Indianapolis.
" 7	" ..	42663	W. J. Wilkins, Tillsonburg....	3 " .	38	Armour Co., Ltd., Toronto..
" 7	" ..	42665	Stillwell Bros., Tillsonburg....	3 " .	40	Libby's, Chicago.....
" 8	" ..	42667	G. A. Curtis, Simcoe.....	3 " .	40	Van Camp Packing Co., Indianapolis.
" 8	" ..	42669	Geo. H. Widner, Simcoe	3 " .	30	Armour Co. Ltd., Toronto...
" 9	" ..	42682	A. L. Vanstone, Brantford....	3 " .	38	Van Camp Packing Co., Indianapolis.
" 9	" ..	42684	J. T. Wallace, Brantford.....	3 " .	75	Lipton, Ltd., London, Eng..
" 10	" ..	42687	F. C. Toon, London, Ont.....	3 " .	[illegible]	Jos. Campbell Co., Camden, N. J., U.S.
" 10	" ..	42692	T. A. Rowat & Co., London, Ont.	3 " .	45	Columbia Conserve Co., Indianapolis.
			DISTRICT OF MANITOBA—			
Dec. 9	Canned Soup ...	39851	J. O'Hare, Winnipeg.....	3 tins.	30	The Van Camp Packing Co., Indirnapolis, U. S.
" 9	" ..	39852	J. Grant, Winnipeg.....	3 " .	38	" "
" 9	" ..	39853	A. W. Smith, Winnipeg.....	3 " .	40	" "
" 10	" .	39854	A. R. Christie, Winnipeg.....	3 " .	40	" "
" 10	" ..	39855	H. E. Weldon & Co., Winnipeg	3 " .	40	" "
" 13	" ..	39856	J. Paterson, Winnipeg.....	3 " .	40	" "
" 16	" ..	39857	Wm. Mahoney, Winnipeg.....	3 " .	45	" "
" 16	" ..	39858	The Hardy Buchanan Co., Winnipeg.	3 " .	40	" "
" 21	" ..	39859	The Steen Copeland Co., Dauphin.	3 " .	45	" "
" 22	" ..	39860	J. Paterson, Winnipeg.....	3 " .	40	" "
			DISTRICT OF CALGARY—			
Dec. 10	Canned Soup...	43611	H. W. Ireland Co., Medicine Hat.	3 tins.	45	Van Camp Packing Co., Indianapolis,
" 10	" ..	43612	R. Dunn, Medicine Hat	3 " .	60	" " ..
" 11	" ..	43613	Spencer & Todd, Medicine Hat	3 " .	60	" " ..
" 11	" ..	43614	H. Morrow, Medicine Hat....	3 " .	45	Joseph Campbell Co., Camden, N.J.
" 30	" ..	43615	Hudson's Bay Co., Lethbridge.	3 " .	1.05	Libby, McNeil & Libby, Chicago.
" 30	" ..	43616	Bentley Co., Ltd., Lethbridge.	3 " .	1.05	Crosse & Blackwell, London, Eng.

CANNED SOUP.

Inspector's Report (Is not an expression of opinion.	Results of Analysis.					No. of Sample.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
JNO. TALBOT, INSPECTOR.						
			p. c.			
Clark's Concentrated 'Mock Turtle.	Corroded..	Poor.....	Slightly ..	None.....	Mock Turtle.....	42653
"Mock Turtle".....	Fair	"	Trace.....	"	"	4265[illegible]
Savoy Soups. "Chicken" Gumbo.	Good.....	Good.....	"	"	Chicken and vegetables....	42663
Libby's Concentrated "Chicken."	"	"	Neutral...	"	Chicken and rice.	4266[illegible]
Van Camp's Concentrated "Mock Turtle."	"	"	Slight....	"	Beef, etc....	42667
Savoy Soups. "Green Peas."	"	"	Trace.....	"	Green Peas.....	42669
Van Camp's Concentrated "Clam Chowder."	"	"	Slight....	"	Broth and vegetables.....	42682
Lipton's Superior "Mock Turtle."	"	"	Trace....	"	Mock turtle.....	42684
Campbell's Condensed 'Tomato.'	"	"	Slight....	"	Tomato.....	42687
Columbia highest grade "Mock Turtle."	"	"	" ...	"	Vegetables and beef	42692
A. C. LARIVIERE, INSPECTOR.						
"Tomato"....	Good.....	Good.....	Slight....	None	Tomato.....	39851
"Mock Turtle"..	"	"	Trace.....	"	Mock Turtle.	39852
"	"	"	"	"	"	39853
"	"	"	" ...	"	"	39854
"	"	"	"	"	"	39855
"	"	"	"	"	"	39856
"	"	"	Slight....	"	"	39857
"	"	"	Trace. ...	"	"	39858
"	"	"	" .. .	"	Beef and vegetables.....	39859
"	"	"	Slight....	"	Mock Turtle.....	39860
R. W. FLETCHER, INSPECTOR.						
....	Fair.....	Good. ...	Slight....	None.....	Mock Turtle.....	43611
....	Good.....	"	"	"	"	43612
....	"	"	Trace . ..	"	"	43613
....	"	"	"	"	Vegetables.	43614
....	"	"	Slight....	"	Beef and vegetables... ..	43615
.....	"	"	Trace.....	"	Pork, &c.....	43616

Date of Collection.	Name of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
			DISTRICT OF CALGARY—			
1910 Jan. 5	Canned Soup...	43617	Hallier & Aldridge, Edmonton	3 tins.	45	Van Camp Packing Co., Indianapolis.
" 5	" ..	43618	J. H. Morris & Co., Edmonton	3 " .	45	Libby, McNeil & Libby, Chicago.
" 5	" ..	43619	Capital Mer. Co., Edmonton..	3 " .	45	W. Clarke, Montreal.....
" 5	" ..	43620	City Grocery Co., Edmonton..	3 " .	75	Franco-Am. Food Co., Jersey City Heights, N.J.
			DISTRICT OF VANCOUVER—			
1909. Dec. 9	Canned Soup...	37778	C. A. Welch, New Westminster.	3 tins.	40	Van Camp Packing Co., Rochester, N.Y.
" 9	" ..	37779	T. S. Annandale, New Westminster.	3 " .	40	" " ..
" 9	" ..	37780	Geo. Adams, New Westminster	3 " .	40	California Fruit Growers' Assoc.
" 9	" ..	37781	West End Grocery, New Westminster.	3 " .	25	Libby, McNeil & Libby, Chicago, Ill.
" 9	" ..	37782	Kelly, Douglas & Co., Vancouver.	3 " .	40	Armours, Ltd, Chicago, Ill..
" 10	" ..	37783	Hudson Bay Co., Vancouver..	3 " .	30	Jos. Campbell Co., New Jersey.
" 10	" ..	37784	Leeson, Dickie Co., Vancouver	3 " .	40	Wm. Davis Co.....
" 10	" ..	37785	W. H. Malkin & Co., Vancouver.	3 " .	50	Crosse & Blackwell.....
" 10	" ..	37786	Woodwards Dept. Store, Vancouver.	3 " .	30	N. J. Heinz & Co., Pittsburgh, Pa.
" 10	" ..	37787	A. MacDonald & Co., Vancouver.	3 " .	30	W. Clark, Montreal.....
			DISTRICT OF VICTORIA—			
Dec. 10	Canned Soup...	41584	Windsor Grocery Co., Victoria, B.C.	3 tins.	40	Van Camp Packing Co., Indianapolis, U.S.A.
" 10	" ..	41585	W. Speed, Victoria, B.C.....	3 " .	35	" " ..
" 10	" ..	41586	The Saunders Grocery Co., Ltd., Victoria, B.C.	3 " .	40	Joseph Campbell Co., Camden, N.J.
" 10	" ..	41587	The Saunders Grocery Co., Ltd., Victoria, B.C.	3 " .	35	Wm. Davies Co., Ltd., Toronto.
" 13	" ..	41588	Harrison & McDonald, Victoria, B.C.	3 " .	45	Aylmer Canning Co., Ltd., Hamilton, Ont.
" 13	" ..	41589	Acton Bros., Victoria, B.C....	3 " .	40	Crosse & Blackwell, London, Eng.
" 14	" ..	41590	The West End Grocery Co., Ltd., Victoria, B.C.	3 " .	40	Joseph Campbell Co., Ltd., Camden, N.J.
" 14	" ..	41591	E. G. Bailey, Victoria, B.C...	3 " .	30	The Wm. Davies Co., Ltd., Toronto.
" 14	" ..	41592	D. H. Ross & Co., Victoria, B.C.	3 " .	1.00	Brand & Co., London, Eng..
" 14	" ..	41593	A Pool, Victoria, B.C.....	3 " .	75	Wm. Clark, Montreal.....

CANNED SOUP.

Inspector's Report. (Is not an expression of opinion).	Results of Analysis.					No. of Samples.
	Condition of		Acidity of Strained Filtrate (as Acetic)	Metallic Contamination.	Remarks.	
	Can.	Contents.				
R. W. FLETCHER, INSPECTOR—*Concluded.*						
			p.c.			
.....	Good.....	Good.....	Trace.....	None. ...	Beef, &c.....	43617
.....	"	"	Slight....	"	Mock Turtle.....	43618
.....	"	"	"	"	Beef, &c.....	43619
.....	"	"	Trace.....	"	"	43620
J. F. POWER, INSPECTOR.						
Chicken Soup	Good.....	Good.....	Trace. ..	None.....	Chicken and rice.....	37778
Mock Turtle.....	"	"	Slight....	"	Beef, &c.	37779
"	"	"	"	"	.....	37780
"	"	"	"	"	Tomato	37781
"	"	"	Trace.....	"	.....	37782
"	"	"	"	.....	.....	37783
"	"	"	"	" .. .	.....	37784
"	"	"	"	"	.....	37785
"	"	"	Acid	"	Tomato	37786
"	"	"	Slight....	"	.....	37787
D. O'SULLIVAN, INSPECTOR.						
Van Camp's Mock Turtle Soup.	Good.....	Good. ..	Trace....	None.....	.....	41584
Van Camp's Ox Tail	"	"	"	"	Ox tail and barley.....	41585
Campbell's Ox Tail	"	"	"	"	Ox tail.....	41586
Davies' Mulligatawny.....	"	"	"	"	Beef and vegetables.....	41587
Canada first, Chicken.....	"	"	Neutral...	"	Chicken and jelly	41588
C. & B. Mock Turtle.....	"	"	Trace.. ..	"	.....	41589
Campbell's Mock Turtle...	"	"	Slight....	"	.....	41590
Davies' Mock Turtle.... .	"	"	Trace. ...	"	.....	41591
The A 1 Mock Turtle	"	"	Slight....	"	.....	41592
Superior Chicken	"	"	Trace	"	Chicken and broth.....	41593